

Kuskokwim River In-season Harvest and Effort Estimates

6/9/2021 Subsistence Harvest Opportunity (Set Nets Only)

Opportunity Time Period: 6:00 AM – 10:00 PM (16 Hours)

Area Covered by Estimates: Tuntutuliak ↔ Akiak

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Special Action #: 3-KS-01-21

Special Action: https://fws.gov/uploadedFiles/3-KS-01-21_Final_5.7.2021.pdf



Data Sources

TABLE 1. The number and percent of fisher interviews conducted by location and organization.

Data Source	Interviews	Percent
Other Villages (BSFA/KRITFC)	33	52%
Bethel Boat Harbor (ONC)	26	41%
Bethel Area Fish Camps (ONC)	4	6%
Total	63	100%

TABLE 2. The time each flight was conducted and fishers counted each flight.

Time Information			Nets Counted	
Start Time	End Time	Hours	Drift	Set
6:11 PM	7:32 PM	1.35	2	107

Effort Estimates

- An estimated **107** total set net trips occurred.

Harvest Estimates

- An estimated total of **500 (350 – 700)** salmon were harvested.
 - An estimated total of **480 (330 – 680)** Chinook salmon were harvested.
 - An estimated total of **0 (0 – 10)** chum salmon were harvested.
 - An estimated total of **20 (10 – 40)** sockeye salmon were harvested.

TABLE 3. Summary of relevant quantities by river stratum (area) for set nets. Numbers in parentheses are 95% confidence intervals.

Stratum	Interviews	Effort Est.	Estimated Harvest			
			Chinook	Chum	Sockeye	Total
Tuntutuliak ↔ Johnson R.	2	0	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)	0 (0 – 0)
Johnson R. ↔ Napaskiak	27	7	30 (20 – 40)	0 (0 – 0)	0 (0 – 0)	30 (20 – 50)
Napaskiak ↔ Akiachak	34	74	330 (230 – 470)	0 (0 – 10)	20 (0 – 30)	350 (240 – 480)
Akiachak ↔ Akiak	0	26	120 (80 – 160)	0 (0 – 0)	10 (0 – 10)	120 (80 – 170)
All	63	107	480 (330 – 680)	0 (0 – 10)	20 (10 – 40)	500 (350 – 700)

FIGURE 1. Distributions of relevant quantities from all completed trips using set nets. The mean quantity by primary data source is shown in the top right; BBH = Bethel Boat Harbor (ONC), CBM = Other Villages (BSFA/KRITFC), FC = Bethel Area Fish Camps (ONC).

